

H 1718 US

Claims

1. An optical transceiver comprising a housing, a circuit board produced by formation technology and provided with conductor tracks, at least one optical  
5 fiber coupled with said circuit board, and a plurality of electrically conductive contact elements which are connected with said conductor tracks of said circuit board in an electrically conductive manner.

2. The transceiver according to claim 1, wherein a cover plate is provided which is placed on said circuit board and in which said optical fiber is  
10 accommodated.

3. The transceiver according to claim 2, wherein said cover plate is provided with a receiving hole for receiving said optical fiber, said receiving hole extending perpendicularly to a plane of extension of said cover plate.

4. The transceiver according to claim 1, wherein said circuit board is equipped  
15 with opto-electronic components.

5. The transceiver according to claim 1, wherein said contact elements are separate plug contacts.

6. The transceiver according to claim 5, wherein said plug contacts are stuck to said conductor tracks.

7. The transceiver according to claim 6, wherein said circuit board has a plurality of grooves which are provided with a metallization and in which said  
20 plug contacts are accommodated.

8. The transceiver according to claim 1, wherein said housing is comprised of an outer part and an inner part, said inner part being connected with said circuit  
25 board and provided with a snap-in hook, so that said transceiver may be locked in place in a counterpiece.

9. The transceiver according to claim 1, wherein said plug contacts having two legs each are designed to be U-shaped and arranged such that said circuit board and an end face of said housing lie between said legs and are held in contact with each other.

5 10. The transceiver according to claim 1, wherein it is constructed as a plug.

11. The transceiver according to claim 10, wherein it is a plug of the type RJ-45.

12. The transceiver according to claim 1, wherein two optical fibers are provided.

10 13. The transceiver according to claim 1, wherein there are provided a 1x2 fiber joint as well as a single optical fiber for a bidirectional data traffic.

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